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track of storms and high areas. Mount Washington, that we have just studied, lies almost directly in the path of storms that cross the United States, and a little to the north of the ordinary path of high areas. Sonnblick is also on a long range of mountains, and not an isolated peak. The nearest base station on the north side is Salzburg (53 miles), and on the south side Görz (100 miles). The difference in height between Sonnblick and Salzburg is 8,722 feet, which is not quite one-half greater than Mount Washington above Burlington. On projecting the temperature curves at these Austrian stations we are struck at once with the

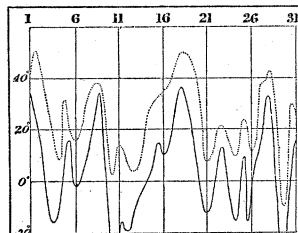


FIG. 1.

Full curve, Mount Washington; dotted, Burlington. Vertical lines are at intervals of five days, horizontal lines at each twenty degrees Fahrenheit.

enormous difference in the character of the curves. I have shown, as compared with those in this country, the curves for the month of March, 1888 (Fig. 2). We see at once that there is a marked similarity in the bendings of the curves; but the fluctuations are very moderate, and do not have sharp points, as was to be expected from what has already been said. One of the more marked discrepancies in Fig. 2 occurs on the 26th, which shows a deep depression at Salzburg, and none at Sonnblick. On projecting the temperature curve at Görz (shown broken in Fig. 2), we see that the curve for Sonnblick coincides exactly with that at

Görz. This is a very significant fact, and shows that the mountain range is a serious drawback to a study of this question from these observations. Taking out all the coincidences, we may say

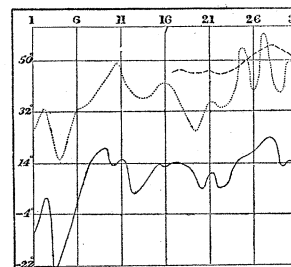
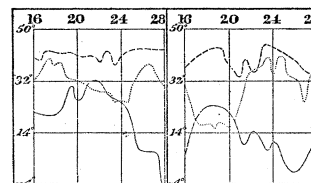


FIG. 2.

Full curve, Sonnblick; dotted, Salzburg; broken, Görz.

there are about 75 per cent fairly satisfactory, though hardly more than 50 per cent, perhaps, as marked as at Mount Washington. I think these discrepancies are due to the causes already set



November, 1889. December, 1889.

FIGS. 3 AND 4.

Full line, Sonnblick; broken, Görz; dotted, Salzburg.

forth, and certainly sink into utter insignificance when compared with the coincidences at Mount Washington. There are two quite interesting discordances in the whole set of curves, and

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